214072US

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :

HIROYUKI ATARASHI ET AL : ATTN: APPLICATION DIVISION

SERIAL NO: NEW U.S. PCT APPLN :
(Based on PCT/JP01/00419)

FILED: HEREWITH :

FOR: A CHANNEL STRUCTURING :
METHOD AND BASE STATION
THEREWITH

PRELIMINARY AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Prior to a first examination on the merits, please amend the above-identified application as follows:

IN THE CLAIMS

Please amend the claims as follows:

6. (Amended) A channel structuring method as claimed in claim 4, wherein subcarriers into which said common control channel signal is inserted are either completely or partially the same as the subcarriers into which the common signal periodically into every time frame of said selected subcarriers.

10. (Amended) A base station as claimed in claim 8, wherein

time frames are provided by segmenting a communication channel of said n subcarriers at every predetermined interval, and

said common pilot signal insertion means selects a predetermined number of subcarriers from said n subcarriers, and inserts the common pilot signal periodically into every time frame of said selected subcarriers.

14. (Amended) A base station as claimed in claim 12, wherein

the subcarriers into which said common control channel signal is inserted by said common control channel signal insertion means are completely or partially the same as the subcarriers into which the common pilot signal is inserted by said common pilot signal insertion means.

Please add new Claims 15-17 as follows:

15. (New) A channel structuring method as claimed in claim 5, wherein subcarriers into which said common control channel signal is inserted are either completely or partially the same as the subcarriers into which the common signal periodically into every time frame of said selected subcarriers.

16. (New) A base station as claimed in claim 9, wherein

time frames are provided by segmenting a communication channel of said n subcarriers at every predetermined interval, and

said common pilot signal insertion means selects a predetermined number of subcarriers from said n subcarriers, and inserts the common pilot signal periodically into every time frame of said selected subcarriers.

17. (New) A base station as claimed in claim 13, wherein

the subcarriers into which said common control channel signal is inserted by said common control channel signal insertion means are completely or partially the same as the subcarriers into which the common pilot signal is inserted by said common pilot signal insertion means.

REMARKS

Favorable consideration of this application, as presently amended, is respectfully requested.

The present preliminary amendment is submitted to cancel the multiple dependencies in Claims 6, 10 and 14. Further, the subject matter of those cancelled multiple dependencies is now set forth in new dependent Claims 15-17.

The present application is believed to be in condition for a full and thorough examination on the merits. An early and favorable consideration of the present application is hereby respectfully requested.

Respectfully submitted,

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IN THE CLAIMS

--6. (Amended) A channel structuring method as claimed in claim 4 [or 5], wherein subcarriers into which said common control channel signal is inserted are either completely or partially the same as the subcarriers into which the common signal periodically into every time frame of said selected subcarriers.

10. (Amended) A base station as claimed in claim 8 [or 9], wherein

time frames are provided by segmenting a communication channel of said n subcarriers at every predetermined interval, and

said common pilot signal insertion means selects a predetermined number of subcarriers from said n subcarriers, and inserts the common pilot signal periodically into every time frame of said selected subcarriers.

14. (Amended) A base station as claimed in claim 12 [or 13], wherein

the subcarriers into which said common control channel signal is inserted by said common control channel signal insertion means are completely or partially the same as the subcarriers into which the common pilot signal is inserted by said common pilot signal insertion means.

Claims 15-17 (New).--